

PATENT CLAIMS:

dictated 9/3/01

- ~~1. Motor vehicle which has a front-mounted engine (8) and at least one forward-situated air intake (6) and is provided with a tubular chassis element (2) running in the longitudinal direction of the vehicle, characterised in that between the air intake (6) and the chassis element (2) there is a guide arrangement (11) for leading air into and through the chassis element past at least one major vehicle component (19) arranged inside the chassis element, and that the chassis element (2) downstream from that major vehicle component (19) is provided with at least one air outlet (12).~~
- ~~2. Motor vehicle according to claim 1, characterised in that the engine (8) is arranged forward of the chassis element (2) and that the guide arrangement (11) surrounds the engine and is connected forwards to at least one air intake (6) and rearwards to the chassis element (2).~~
- ~~3. Motor vehicle according to claim 1 or 2, characterised in that there is inside the chassis element (2) a fan arrangement (30) for influencing the air flow through the chassis element.~~
- ~~4. Motor vehicle according to claim 3, characterised in that the fan arrangement (30) is situated in the rear of the chassis element.~~
- ~~5. Motor vehicle according to any one of claims 1-4, characterised in that the chassis element (2) is provided with an air outlet (12) arranged in a rear endplate.~~
- ~~6. Motor vehicle according to any one of claims 1-5, characterised in that at least one major component (19) of the vehicle's driveline, advantageously at least the vehicle's gearbox, is situated inside the chassis element (2).~~
- ~~7. Motor vehicle according to claim 6, characterised in that the gearbox (19) is situated close to a rear axle (20) of the vehicle.~~

8. Motor vehicle according to any one of the foregoing claims, characterised in that the guide arrangement (11) includes a bottom plate (15) situated under the engine (8).

9. Motor vehicle according to any one of the foregoing claims, characterised in that the guide arrangement (11) includes a lower portion (14) of the driver's cab of the vehicle.

10. Motor vehicle according to any one of the foregoing claims, characterised in that in the forward part of the vehicle there are air vents (10) which are designed to discharge part of the air quantity drawn into the vehicle, after it has passed the vehicle's radiator (9), and hence to limit the air quantity supplied to the guide arrangement (11).